
MORGAN COUNTY

(Morgan County Water Service Area Map)

- Estimated 1999 population of 11,900--18% on public water
- Estimated 2020 population of 12,600--55% on public water
- 110 miles of water lines, with plans for 185 additional miles
- Estimated funding needs for public water 2000-2005--\$4,250,000
- Estimated funding needs for public water 2006-2020--\$8,000,000

Morgan County had an estimated population of 11,888 (4,560 households) in 1999 with a projected population of 12,561 (5,176 households) in 2020. Public water is provided to about 18 percent of the county's residents. In areas of the county not served by public water, about 5 of 6 households rely on private domestic wells and 1 of 6 households rely on other sources. About 1,900 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
MORGAN								-
Morgan Co.w/D	61	756	3,050				1,200	4,250
Total	61	756	3,050				1,200	4,250

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
MORGAN								-
Morgan Co.W/D	124	1,142	6,200				1,800	8,000
Total	124	1,142	6,200				1,800	8,000

PUBLIC WATER SYSTEMS

There are 6 public or semipublic water systems in Morgan County: 4 community systems--1 municipal, West Liberty Water Company; 1 water district, Morgan County Water District; 1 state system; 1 private system-- and 2 non-community systems.

WATER SERVICE AREAS

MORGAN COUNTY

Kentucky

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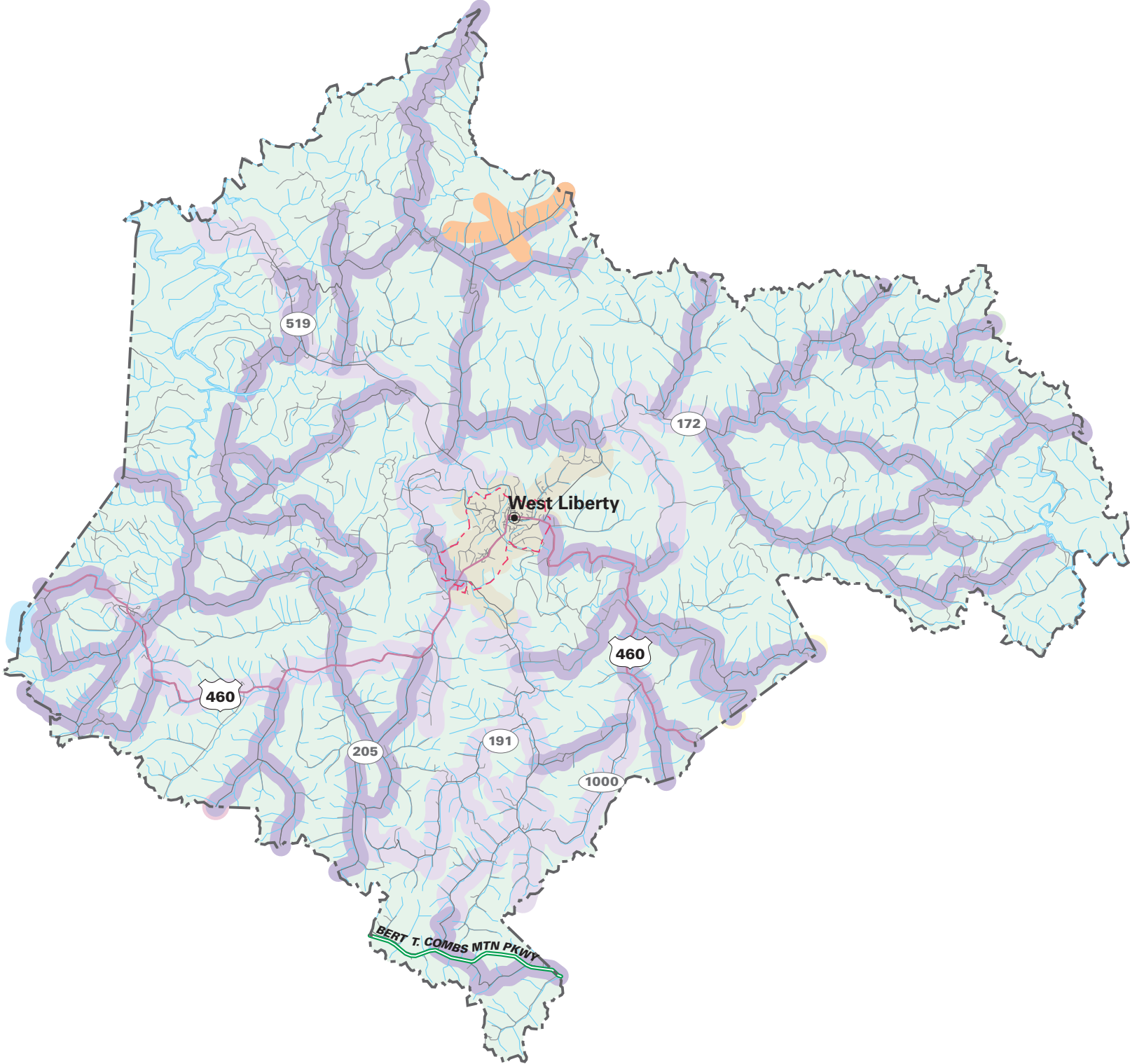
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WATER SERVICE STATUS BY OWNER		
EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		WEST LIBERTY WATER COMPANY
		SANDY HOOK WATER DISTRICT
		PAINTSVILLE MUNICIPAL WATER WORKS
		MORGAN COUNTY WATER DISTRICT
		MAGOFFIN COUNTY WATER DISTRICT
		FRENCHBURG WATER COMPANY
		CAMPTON WATER PLANT

WEST LIBERTY WATER COMPANY

PWSID: 0880452
System Type:..... COMMUNITY
Owner Type:..... MUNICIPAL
Surface Source:..... LICKING RIVER
Purchase Source: LICKING RIVER
Well Source:
Sells Water to:WEST LIBERTY WATER COMPANY
Treatment Plant Capacity (MGD):..... 1.08
Percent Daily Average Production:..... 77.00
Total Tank Storage Capacity (gallons): 300,000.00
Total Service Connections: 850.00
Number of Employees:..... 7.00
Treatment Operator Class:2D
Distribution Operator Class:.....3A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997:..... Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

MORGAN COUNTY WATER DISTRICT

PWSID: 0880594
System Type:..... COMMUNITY
Owner Type:..... WATER DISTRICT
Surface Source:
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 0.00
Total Tank Storage Capacity (gallons): 110,000.00
Total Service Connections: 700.00
Number of Employees:..... 3.00
Treatment Operator Class:1D
Distribution Operator Class:
Customer Rate for 1,000 Gallons:..... 7.28
O/M costs 1997:..... 162,367.00
O/M costs per Service Connection: 227.40
Net Revenue 1997:..... 7,814.00
Total Water Produced 1997 (gallons):..... 0.00
Water Sold 1997 (gallons):..... 28,687,000.00
Unaccounted-for Water 1997 (%): 22.45

OTHER SYSTEMS

OLDFIELDS TRAILER PARK

Oldfields Trailer Park is located in Morgan County. The system serves a population of 86 and has 26 service connections. The private, community system has treatment capacity of 10,000 gallons per day and the water source is wells.

WOODSBEND BOYS CAMP

Woodsbend Boys Camp is located in Morgan County. The system serves a population of 120 and has 1 service connection. The state, community system has treatment capacity of 17,280 gallons per day and the water source is wells.

WRIGLEY ELEM SCHOOL

Wrigley Elem School is located in Morgan County. The system serves a population of 232 and has 1 service connection. The local, non-transient, non-community system has treatment capacity of 8,640 gallons per day and the water source is wells.

519 FOODMART

519 Foodmart is located in Morgan County. The system serves a population of 30 and has 1 service connection. The private, transient, non-community system has treatment capacity of 5,000 gallons per day and the water source is wells.

PRIVATE DOMESTIC SYSTEMS

About 10,000 people in Morgan County rely on private domestic water supplies: 8,300 on wells, and 1,700 on other sources.

Most wells drilled into bedrock in valley bottoms are adequate for domestic supply and some of the wells in the alluvium of the Licking River and its main tributaries provide adequate amounts of water. Fewer than half of the wells drilled on hillsides are adequate for domestic use and wells on hilltops produce even less water. In northwestern Morgan county a few deeper wells that penetrate thick sandstone beds of the Lee formation produce enough water for domestic use and may yield enough for municipal or industrial supplies.

Most water from drilled wells is extremely hard and contains noticeable amounts of iron. Wells that are more than 100 feet below local drainage may be salty and in some areas as shallow as 50 feet below drainage.

A few springs supply sufficient quantities of water for domestic use, usually produces less than 5 gpm.
